



MATERIAL SAFETY DATA SHEET

GLB Filter Fresh

1. Product And Company Identification

Supplier GLB 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770)521-5999 FAX Number: (770)521-5959 Web Site: www.poolspacare.com	Manufacturer Advantis Technologies 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com
Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911	Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911

Issue Date: 05/12/2009

Product Name: GLB Filter Fresh

Chemical Name: Sulfuric and Hydrochloric Acid

Chemical Family: Acid

Chemical Formula: Proprietary Mixture

MSDS Number: 13

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
CITRIC ACID	77-92-9	
HYDROCHLORIC ACID	7647-01-0	
SULFURIC ACID	7664-93-9	

Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).

EMERGENCY OVERVIEW

Corrosive

Hazards Identification (Pictograms)



3. Hazards Identification

Primary Routes(s) Of Entry

Skin Contact, Eye Contact

Eye Hazards

Causes irreversible eye damage.

Skin Hazards

Corrosive to skin.

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3. Hazards Identification - Continued

Ingestion Hazards

If ingested, get immediate medical attention. Causes severe digestive tract burns.

Inhalation Hazards

Causes respiratory tract irritation.

Signs And Symptoms

Irritation of Eyes, Skin and Respiratory Passages

First Aid (Pictograms)



4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician or a poison control center immediately.

Skin

Wash the affected area under tepid running water using a mild soap. Remove contaminated clothing and shoes.

Ingestion

DO NOT INDUCE VOMITING. Get medical attention immediately. If victim is fully conscious, give one or two cups of water or milk to drink.

Inhalation

If breathing is difficult, give oxygen. If inhaled, remove to fresh air. Consult a physician.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: n/a °F

Flammability Class: n/a

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Neutralize spill area with soda ash or lime. Flush spill area with water. Use appropriate containers to avoid environmental contamination.

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Store material in a cool and dry place.

Handling Precautions

Do not get in eyes.

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7. Handling And Storage - Continued

Storage Precautions

Keep out of reach of children. Store in a cool dry place. Avoid contact with Alkalis, Amines, and Metals

Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Local exhaust acceptable. Special exhaust not required

Eye/Face Protection

Faceshield over safety glasses or goggles.

Skin Protection

Plastic or rubber apron. Chemical-resistant gloves.

Respiratory Protection

None normally required.

Ingredient(s) - Exposure Limits

HYDROCHLORIC ACID

ACGIH TLV-CEILING 5 ppm

OSHA PEL-CEILING 5 ppm

SULFURIC ACID

ACGIH TLV-STEL 3 mg/m³

ACGIH TLV-TWA 1 mg/m³

OSHA PEL-TWA 1 mg/m³

9. Physical And Chemical Properties

Appearance

Pale amber liquid

Odor

Mild

Chemical Type: Mixture

Physical State: Liquid

Melting Point: n/a °F

Boiling Point: 212 °F

Specific Gravity: 1.08

Percent Volitales: Not Determined

Vapor Pressure: Not Determined

Vapor Density: >1


pH Factor: 0-2

Solubility: Soluble in Water

Viscosity: Not Determined

Evaporation Rate: <1

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<p>10. Stability And Reactivity</p> <p>Stability: Stable Hazardous Polymerization: Will not occur</p> <p>Conditions To Avoid (Stability) Avoid contact with strong Amines, Alkalis, and Metals</p> <p>Incompatible Materials Alkalis, Amines and Metals</p> <p>Hazardous Decomposition Products Oxides of Nitrogen, Hydrogen, Sulfur and Carbon</p>
<p>11. Toxicological Information</p> <p>Ingredient(s) - Carcinogenicity SULFURIC ACID NTP - Listed On The National Toxicology Program Listed In The IARC Monographs</p>
<p>12. Ecological Information</p> <p>No Data Available...</p>
<p>13. Disposal Considerations</p> <p>Refer to applicable local, state and federal regulations as well as industry standards.</p>
<p>14. Transport Information</p> <p>Proper Shipping Name CORROSIVE LIQUIDS, N.O.S. (Hydrochloric and Sulfuric Acids)</p> <p>Hazard Class 8, PGII (<=1L Consumer Commodity ORM-D)</p> <p>DOT Identification Number UN1760</p> <p>DOT (Pictograms)</p> 
<p>15. Regulatory Information</p> <p>Ingredient(s) - U.S. Regulatory Information HYDROCHLORIC ACID SARA Title III - Section 313 Form "R"/TRI Reportable Chemical SARA - Acute Health Hazard SULFURIC ACID SARA Title III - EPA Part 355 Extremely Hazardous Substance SARA Title III - Section 313 Form "R"/TRI Reportable Chemical SARA - Acute Health Hazard SARA - Chronic Health Hazard SARA - Fire Hazard SARA - Reactivity Hazard</p> <p>Ingredient(s) - State Regulations HYDROCHLORIC ACID New Jersey - Workplace Hazard</p>

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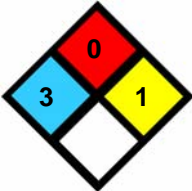
15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

New Jersey - Environmental Hazard
 New Jersey - Special Hazard
 New Jersey - TCPA Extraordinarily Hazardous Substance
 Pennsylvania - Workplace Hazard
 Pennsylvania - Environmental Hazard
 Massachusetts - Hazardous Substance
 New York City - Hazardous Substance
SULFURIC ACID
 New Jersey - Workplace Hazard
 New Jersey - Environmental Hazard
 New Jersey - Special Hazard
 Pennsylvania - Workplace Hazard
 Pennsylvania - Environmental Hazard
 California - CalARP Table 3 Regulated Substance
 Massachusetts - Hazardous Substance
 New York City - Hazardous Substance

Canadian Regulatory Information

Class D, Div 1A - Poisonous or Infectious Material: immediate and serious toxic effects
 Class D, Div 2A,B - Poisonous or Infectious Material: other toxic effects
 Class E - Corrosive Material

NFPA	HMIS								
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16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW3

Disclaimer

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GLB